

## Refine Search

### Search Results -

Term	Documents
(3 AND 4 AND 1).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2
(L1 AND L4 AND L3).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L7

Refine Search

Recall Text



Clear

Interrupt

### Search History

DATE: Tuesday, August 16, 2005   [Printable Copy](#)   [Create Case](#)

**Set Name**   **Query**  
 side by side

**Hit Count**   **Set Name**  
 result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L7</u>	L1 and L4 and L3	2	<u>L7</u>
<u>L6</u>	L1 and L2 and L3	2	<u>L6</u>
<u>L5</u>	L4 and L3	2	<u>L5</u>
<u>L4</u>	spatial adj information	4159	<u>L4</u>
<u>L3</u>	"transverse magnetic mode"	423	<u>L3</u>
<u>L2</u>	"resonant transverse magnetic mode"	2	<u>L2</u>
<u>L1</u>	(electromagnetic adj radiation)	62704	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

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Search Results - Record(s) 1 through 2 of 2 returned.

- ☐ 1. Document ID: US 20050073310 A1 Relevance Rank: 99

Using default format because multiple data bases are involved.

L2: Entry 2 of 2

File: DWPI

Apr 7, 2005

DERWENT-ACC-NO: 2005-313085

DERWENT-WEEK: 200532

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TITLE: Object e.g. weapon, spatial information obtaining method for use in airport, involves interacting electromagnetic radiation with object to obtain measured resonant transverse magnetic modes, and using modes to obtain information

INVENTOR: GATTO, J A; WEATHERALL, J C

PRIORITY-DATA: 2003US-0681032 (October 7, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20050073310 A1	April 7, 2005		027	G01V003/00

INT-CL (IPC): G01 V 3/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Keywords	Drawings
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- ☐ 2. Document ID: US 20050073310 A1 Relevance Rank: 0

L2: Entry 1 of 2

File: PGPB

Apr 7, 2005

PGPUB-DOCUMENT-NUMBER: 20050073310

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050073310 A1

TITLE: Method and apparatus for obtaining spatial information and measuring the dielectric constant of an object

PUBLICATION-DATE: April 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Weatherall, James C.	Linwood	NJ	US	
Gatto, Joseph A.	Deptford	NJ	US	

APPL-NO: 10/ 681032 [PALM]  
DATE FILED: October 7, 2003

INT-CL: [07] G01 V 3/00

US-CL-PUBLISHED: 324/318; 324/300  
US-CL-CURRENT: 324/318; 324/300

REPRESENTATIVE-FIGURES: 1

ABSTRACT:

Methods and apparatus are provided for obtaining spatial information about an object, and for measuring the dielectric constant of an object. They include placing the object in a cavity and interacting electromagnetic radiation at a plurality of frequencies with the object to obtain a corresponding plurality of measured resonant transverse magnetic modes. They also include using the plurality of measured resonant transverse magnetic modes to obtain the spatial information for the object, and/or using the plurality of measured resonant transverse magnetic modes to obtain the dielectric constant for the object.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D.
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Term	Documents
"RESONANT TRANSVERSE MAGNETIC MODE"	0
"RESONANT TRANSVERSE MAGNETIC MODE".PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2
("RESONANT TRANSVERSE MAGNETIC MODE" ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2

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